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2 **ABSTRACT**

3 In an exemplary apparatus implementation, an electromagnetic lens
4 includes: an input section including multiple input probes and a curvilinear input
5 reflector; an output section including multiple output probes and a curvilinear
6 output reflector; and a coupling section including a coupling slot and a curvilinear
7 coupling wall. In another exemplary apparatus implementation, an
8 electromagnetic lens includes: a first layer; a second layer adjacent to the first
9 layer; the second layer including multiple input probes, a curvilinear input
10 reflector, and a first curvilinear coupling wall; a third layer adjacent to the second
11 layer, the third layer including a coupling slot; a fourth layer adjacent to the third
12 layer; the fourth layer including multiple output probes, a curvilinear output
13 reflector, and a second curvilinear coupling wall; and a fifth layer adjacent to the
14 fourth layer.
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